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\*PATENT  
ATTORNEY DOCKET NO. 06666/013001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Svensson, et al.  
Title : SYSTEM AND METHOD FOR POWER-EFFICIENT CHARGING AND  
DISCHARGING OF A CAPACITIVE LOAD FROM A SINGLE SOURCE  
Application for Reissue of U.S. Patent No. 5473,526  
Issued : December 5, 1995  
Reissue  
Serial No.: 08/986,327  
Reissue  
Filed : 12/5/97

Commissioner of Patents and Trademarks  
Washington, DC 20231

Declaration and Power of Attorney for Reissue Application  
Pursuant to 37 C.F.R. §1.171 et seq.

Sir:

We, Lars Svensson, William C. Athas, and Jeffrey G. Koller, hereby declare that our residences, Post Office addresses and citizenships are as stated below next to our names, and we believe we are the original and joint inventors of the invention entitled SYSTEM AND METHOD FOR POWER-EFFICIENT CHARGING AND DISCHARGING OF A CAPACITIVE LOAD FROM A SINGLE SOURCE described and claimed in the reissue specification filed December 5, 1997 as Application No. 08/986,327 and also described and claimed in our original application No. 08/231,637 filed April 22, 1994, and

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Date of Deposit 7-8-98  
I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Larsen & Clark

DUNCAN & CLARK

the resulting United States Patent No. 5,473,526, which issued December 5, 1995; and for which invention a reissue patent is solicited; that we have reviewed and understand the contents of that specification, including the claims, as amended by any amendments specifically referred to in this Declaration; that we acknowledge the duty to disclose information of which we are aware and which is material to the examination of the application in accordance with U.S. law and specifically 37 C.F.R. §1.56(a);

That we verily believe that through error, without any deceptive intent, the said patent is partly inoperative or invalid by reason of our claiming less than we had a right to claim.

The error arose during prosecution due to a misunderstanding of the proper scope of our invention commensurate with the prior art. We understand that the misunderstanding occurred as follows.

The application was originally filed with claims 1-11. Applicants and their counsel believed that these claims were patentable over the prior art applied by the Examiner during the prosecution. Thus, no claim amendments were made.

Applicants and their counsel did not appreciate that they were in fact entitled to broader claim coverage. For example, Applicants did not appreciate that the claimed "plural capacitive elements" could be claimed more broadly without running afoul of the prior art.

After U.S. Patent No. 5,473,526 was issued, a licensee of the assignee was examining the issued claims and noticed that certain claim limitations appeared overly restrictive. The licensee proposed broadening changes to the claims. The licensee believed such broader claims were novel over the cited prior art.

After further study, we agreed that such claims were patentable. The error in the original prosecution which rendered the original patent inoperative or invalid was based on misunderstanding the invention and the specific scope of the novel features of the invention.

We therefore believe that U.S. Patent No. 5,473,526 is inoperative or invalid by reason of our claiming less than we had a right to claim in the patent. The new claims which are presented herein make up this deficiency. The errors relied on arose during prosecution, and were found during a post-issuance study of the technology and the '526 patent. The errors arose without deceptive intent.

We, Lars Svensson, William C. Athas and Jeffrey G. Koller, joint inventors for the above-captioned U.S. Letters Patent, which is the subject of the accompanying application for the reissue, hereby agree to surrender the above-captioned U.S. Letters Patent upon the granting of this reissue.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose all information we know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

We hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

William E. Booth, Reg. No. 28,933; Peter J. Devlin, Reg. No. 31,753; Willis M. Ertman, Reg. No. 18,658; David L. Feigenbaum, Reg. No. 30,378; Janis K. Fraser, Reg. No., 34,819; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; Alan H. Gordon, Reg. No. 26,168; Scott C. Harris, Reg. No. 32,030; Mark J. Hebert, Reg. No., 31,766; Gilbert H. Hennessey, Reg. No. 25,759; Charles Hieken, Reg. No. 18,411; Robert E. Hillman, Reg. No. 22,837; John Land, Reg. No. 29,554; G. Roger Lee, Reg. No. 28,963; Steven E. Lipman, Reg. No. 30,011; Gregory A. Madera, Reg. No. 28,878; Ralph A. Mittelberger, Reg. No. 33,195; Robert C. Nabinger, Reg. No., 33,431; Frank P. Porcelli, Reg. No. 27,374; Eric L. Prahl, Reg. No. 32,590; Richard M. Sharkansky, Reg. No. 25,800; John M. Skenyon, Reg. No. 27,468; Michael O. Sutton, Reg. No. 26,675; Rene D. Tegtmeier, Reg. No. 33,567; Hans R. Troesch, Reg. No. 36,950; John N. Williams, Reg. No. 18,948; Gary A. Walpert, Reg. No. 26,098; John R. Wetherell, Jr., Reg. No. 31,678; Dorothy P. Whelan, Reg. No., 33,814; Mark D. Wieczorek, Reg. No. 37,966; and Charles C. Winchester, Reg. No. 21,040.

Address all telephone calls to Scott C. Harris at telephone number 619/678-5070.

Address all correspondence to Scott C. Harris, Fish & Richardson P.C., 4225 Executive Square, Suite 1400, La Jolla, California 92037.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or

imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Lars SVENSSON

Inventor's Signature: Lars SVENSSON Date: 6/9/98

Residence Address: Lund, Sweden

Citizen of: SWEDEN

Post Office Address: Domherrevagen 6A, Se-22731, Lund, Sweden

Full Name of Inventor: William C. ATHAS

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizen of: U.S.

Post Office Address: \_\_\_\_\_

Full Name of Inventor: Jeffrey G. KOLLER

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizen of: U.S.

Post Office Address: \_\_\_\_\_

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Full Name of Inventor: Lars SVENSSON

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: Lund, Sweden

Citizen of: SWEDEN

Post Office Address: Domberrevagen 6A, Se-22731, Lund, Sweden

Full Name of Inventor: William C. ATHAS

Inventor's Signature: William C. Athas Date: 6/8/98

Residence Address: 437 Camino de las Colinas, Torrance, California

Citizen of: U.S.

Post Office Address: 437 Camino de las Colinas, Redondo Beach, Calif. 90277

Full Name of Inventor: Jeffrey G. KOLLER

Inventor's Signature: J. G. Koller Date: 6/8/98

Residence Address: 22330 MEYLER ST #1, TORRANCE, CALIFORNIA

Citizen of: U.S.

Post Office Address: 22330 MEYLER ST #1, TORRANCE, CA 90502

Applicant or Patentee: Svensson, et al.  
 Serial or Patent No.: 08/986,327  
 Filed or Issued: 12/5/97  
 For: SYSTEM AND METHOD FOR POWER-EFFICIENT CHARGING AND DISCHARGING OF A CAPACITIVE LOAD FROM A SINGLE SOURCE

JUL 09 1998

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION

#3

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Organization: UNIVERSITY OF SOUTHERN CALIFORNIA  
 Address of Organization: 3716 South Hope Street, Los Angeles, California 90007-4344  
 Type of Organization:

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION  
 TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))  
 NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA  
 (NAME OF STATE: )  
 (CITATION OF STATUTE: )  
 WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA  
 WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA  
 (NAME OF STATE: )  
 (CITATION OF STATUTE: )

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled SYSTEM AND METHOD FOR POWER-EFFICIENT CHARGING AND DISCHARGING OF A CAPACITIVE OAD FROM A SIGNLE SOURCE by inventor(s) Lars Svensson, William C. Athas, Jeffrey G. Koller described in

- the specification filed herewith.  
 application serial no. 08/986,327, filed 12/5/97.  
 patent no. , issued .

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

**Full Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

INDIVIDUAL     SMALL BUSINESS CONCERN     NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status when any new rule 53 application is filed or prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

**Name:** Dennis F. Dougherty  
**Title:** Sr. Vice President, Administration

**Address:** 3716 South Hope Street, Los Angeles, California 90007-4344

**Signature:** Dennis F. Dougherty **Date:** 7/2/98



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ATTORNEY DOCKET NO. 06666/013001

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Title : SYSTEM AND METHOD FOR POWER-EFFICIENT CHARGING AND  
DISCHARGING OF A CAPACITIVE LOAD FROM A SINGLE SOURCE

Application for Reissue of U.S. Patent No. 5,473,526

Issued : December 5, 1995

Reissue

Serial No.: 08/986,327

Reissue

Filed : 12/5/97

Asst. Commissioner of Patents and Trademarks  
Washington, DC 20231

CONSENT OF ASSIGNEE

The undersigned, whose title is supplied below, is  
empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee,  
hereby offers to surrender the above-identified Letters Patent,  
and consents to the accompanying reissue application. The  
undersigned further requests that Letters Patent be reissued to  
it for the same invention upon the foregoing amended application.

I hereby declare that all statements made herein of my  
own knowledge are true and that all statements made on  
information and belief are believed to be true; and further that  
these statements were made with the knowledge that willful false

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Duncan L. Clark

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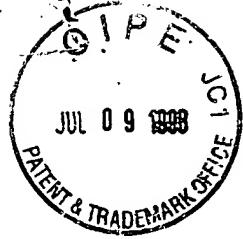
statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Date: 7/2/98

Dennis F. Dougherty  
Name: Dennis F. Dougherty  
Title: Sr. Vice President, Administration

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Washington, DC 20231

STATEMENT UNDER 3.73(b)

Under 37 CFR §3.73(b), the University of Southern California, a corporation of California, certifies that it is the assignee of the entire right, title and interest in the patent identified above by virtue of an assignment from the inventors. The assignment was recorded in the Patent and Trademark Office at Reel 0744, Frame 0586, on June 17, 1994.

The undersigned has reviewed all the documents in the chain of title of the patent, and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

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Duncan L. Clark

DUNCAN L. CLARK

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Date: 7/2/98

Dennis F. Dougherty  
Name: Dennis F. Dougherty  
Title: Sr. Vice President, Administration

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